

Serial No. 10/686,659

Attorney Docket No. 03-037

AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph that begins on page 10, line 19, as follows:

The planetary gear arrangement 150 serves as a drive force distributing mechanism of the present invention. The planetary gear arrangement 150 distributes the drive force, which is supplied from the pulley 110 (engine 10), to the motor 120 and the compressor device 130 and conducts the drive force, which is supplied from the motor 120, to the pulley 110 and the compressor device 130. More specifically, the planetary gear arrangement 150 includes the sun gear 151, a planetary carrier 152, pinions 152a and a ring gear 153. The ~~sun-gear~~sun gear 151 is arranged in the center of the planetary gear arrangement 150. The planetary carrier 152 is connected to the pinions 152a, which rotate and revolve around the sun gear 151. The ring gear 153 is arranged radially outward of the pinions 152a.

Please amend the paragraph that begins on page 12, line 5, as follows:

Furthermore, the control apparatus 160 determines a discharge amount of refrigerant to be discharged from the compressor device 130 based on the thermal load of the refrigeration cycle system 200 and also determines the rotational speed of the compressor device 130 for achieving the determined discharge amount of refrigerant to be discharged from the compressor device 130. The discharge amount of refrigerant is ~~an amount~~the amount of refrigerant discharged from the compressor device 130 per unit time and is obtained by multiplying the displacement of the compressor device 130 per rotation of the compressor device 130 by a rotational speed of the compressor device 130. When the rotational speed of the compressor device 130 is increased, the discharge amount of refrigerant is increased accordingly.

Furthermore, the rotational speed of the motor 120 is determined based on the rotational speed of

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the pulley 110 and the rotational speed of the compressor device 130 based on an alignment chart of the planetary gear arrangement 150 shown in FIG. 3. The alignment chart of FIG. 3 will be described later.